



conformance and not considered. Include copy of this form with next communication to applicant.

ſ

	<u>~</u>	4	المبيي	<b>129</b>							S	heet 2 of 6	<u> </u>		
Form PTO-1449 U.S. Department of Commerce Patent and Trademark Office										Atty. Docket No. 59597-D/JPW/AJM/CMR Serial No. 09/766,344					
		IN						OSURE CITATI	ION	Applicants Neil T. Parkin and Rainer A. Ziermann					
										Filing Date January 19, 2001 Group Art U					
								U.S. PATE	ENT DOCUMENTS			<del></del>			
Examiner Initial			Docu	ment	Numl	ber		Date	Name	Class	Subclass	Filing Date if Appropriate			
		+	+	+-						-	1				
	$\vdash$	$\dashv$	+	+	-	_							<u></u>		
				Ţ	<u> </u>										
								FOREIGN PA	TENT DOCUMENT	rs					
	-	I	Docun	nent	Num	ber		_Date _	Country	_Class	Subclass		nslation		
		$\neg$			T						<u> </u>	Yes	No		
		_		T	†										
				T											
			(	тн	ER I	oc	UM	ENTS (Includin	g Author, Title, Date,	Pertinent 1	Pages, Etc.)				
W	/\	OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)  Lambert DM, et al. (1992) "Human Immunodeficiency Virus Type Protease Inhibitors Irreversibly Block Infectivity of Purified Virions From Chronically Infected Cells" Anit Microb Agents Chem 36:982-988 (Exhibit 8);													
		Brendan A. Larder, et al., (1995) "Potential Mechanism for Sustained Antiretroviral Efficacy of AZT-3TC Combination Therapy", Science, 269; 696-699 (Exhibit 9);													
	Janis K. Lazdins, et al., (1997) "In Vitro Effect of $\alpha_1$ -Acid Glycoprotein on the Anti-Human Immunodeficiency Virus (HIV) Activity of the Inhibitor CGP 61775: A Comparative Study with Other Relevant HIV Protease Inhibitors", <u>J Infec. Dis.</u> , 175: 1063-1070 (Exhibit 10);														
		David J. Livingston, et al., (1995) "Weak Binding of VX-478 to Human Plasma Proteins and Implications for Anti-Human Immunodeficiency Virus Therapy", <u>J Infec. Dis.</u> , 172:1238-1245 (Exhibit 11);													
Stic		Ana	alys	is	01	E [	ru		et al., (19						
EXAMINER	<u> </u>		mi	n				DATE CONSIDEREI	1/11/2						
		itial i	f citati	on c	rsid	ered,			n is in conformance wit ext communication to a		: Draw line throug	gh citation	if not in		



Sheet <u>3</u> of <u>6</u>

Form PTO-144	9	ı	U.S.			t of Commerce and Trademark	Office		Atty. Docket No. 59597-D/JPW/AJM/CMR Serial No. 09/766,344  Applicants Neil T. Parkin and Rainer A. Ziermann			
	INF					OSURE CITAT: s if necessary)	ION					
								Filing Da January	te 19, 2001	Group Art Unit		
						U.S. PAT	ENT DOCUMENTS			<u> </u>		
Examiner Initial		Docun	nent l	Number		Date	Name	Class	Subclass	Filing Date if Appropriate		
		_			-							
	<del>  -</del>		ļ		-					<del> </del>		
	++	+-	-	<del></del>	+		<u> </u>					
	<u></u>			Ш		FORFIGN P	LATENT DOCUMEN	NTS	<u> </u>	1		
	В	ocum	ent l	Numbe	r	Date	Country	Class	Subclass	Tra	nslation	
					_					Yes	No	
	$\bot \bot$			igsqcut	<u>  </u>				1			
			<u> </u>			<u> </u>						
<u> </u>	1						ng Author, Title, Da					
St	Pro	tea	se	wit	h a	a Substrat	`Structure c ce-Based Inh <b>xhibit 13</b> );					
	Science 246:1149-1152 (Exhibit 13);  Mohri H, et al. (1993) "Quantitation of Zidovudine-Resistant Human Immunodeficiency Virus Type 1 in the Blood of Treated and Untreated Patients", PNAS 90:25-29 (Exhibit 14);											
	Robert L. Murphy, et al., (1999) "Treatment with Amprenavir Alone or Amprenavir with Zidovudine and Lamivudine in Adults with Human Immunodeficiency Virus Infection" J. Infec. Dis., 179: 808-816 (Exhibit 15);											
	Nájera I, et al. (1994) "Natural Occurrence of Drug Resistance Mutations in the Reverse Transcriptase of Human Immunodeficiency Virus Type 1 Isolates", <u>Aids Res Hum Retroviruses</u> 10:1479-1488, (Exhibit 16);											
SHE	Nájera I, et al. (1995) "pol Gene Quasispecies of Human Immunodeficiency Virus: Mutations Associated with Drug Resistance in Virus From Patients Undergoing No Drug Therapy", <u>J Virol</u> <b>69:</b> 23-31 (Exhibit 17);											
EXAMINER			1			DATE CONSIDERE	D 1/4/2					
							conformance with MPEP		through citation if r	not in		
conformance and r	ot consi	aered.	inclu	ae copy	of thi	s form with next com	munication to applicant.					

f	١	
	١	

										S	heet <u>4</u> of <u>6</u>			
Form PTO-1449 U.S. Department of Commerce Patent and Trademark Office										Atty. Docket No. Serial No. 09/766,344 59597-D/JPW/AJM/CMR				
NFORMATION DISCLOSURE CITATION Neil										Applicants Neil T. Parkin and Rainer A. Ziermann				
CEP 2	1 Jun 5		(Use :	sev	eral:	sheet	s if necessary)		Filing Date January 1	Filing Date Group Art Unit January 19, 2001				
1	76	1					U.S. PAT	ENT DOCUMENTS						
Examinar & T	RADEMAR	Docu	ment l	Nu	mber	- <b>-</b>	Date	Name	Class	Class Subclass Filing Date if Appropriat				
			4_	$\perp$		_					<u> </u>			
			-	╀	_	-				-	-			
		╁┼	+	╀	+	╀				<u> </u>	ļ			
	ll					.l	ECDELCY D	L EDVIN DO GULLEDA		1				
		Docur		NI.	ımba		Date P	Country	Class	Subclass	T=-	nslation		
		Docui	пен	146	IIIIDE		Date	Country	Ciass	Subciass	Yes	No		
			T	Τ		T					105	110		
				T										
-			- *			1			- 1					
			ОТ	HI	ER D	ocu	MENTS (Includii	ng Author, Title, Date	, Pertinent P	ages, Etc.)				
SAF	Sarah Palmer, et al., (1999) "Highly Drug-resistant HIV-1 Clinical Isolates Are Cross-resistant to Many Antiretroviral Compounds in Current Clinical Development", AIDS, 13: 661-667 (Exhibit 18);											unds in		
	Su Vi	scep rus	tik Typ	oi pe	lit e 1	у . (Н	Associated	, (1999) "d with Failuble Combinat );	re of H	luman Immu	inodef	iciency		
	Judith A. Partaledis, et al., (1995) "In Vitro Selection and Characterization of Human Immunodeficiency Virus Type 1 (HIV-1) Isolates with Reduced Sensitivity to Hydroxyethylamino Sulfonamide Inhibitors of HIV-1 Aspartyl Protease", Journal of Virology, 69: 5228-5235 (Exhibit 20);													
	A. K. Patick, et al., (1998) "Genotypic and Phenotypic Characterization of Human Immunodeficiency Virus Type 1 Variants Isolated from Patients Treated with the Protease Inhibitor Nelfinavir", Antimicrobial Agents and Chemotherapy, 42: 2637-2644 (Exhibit 21);													
SH								"The Specif (Exhibit 22)		of the HIV	√-1 Pi	rotease"		
EXAMINE		amb	1	-			DATE CONSID	DERED //1/2						
	R: Initial	if citatio						s in conformance with M communication to appli		w line through cita	ition if not	in		

Sheet 5 of 6 Attv. Docket No. Serial No. Form PTO-1449 U.S. Department of Commerce 59597-D/JPW/AJM/CMR |09/766,344 Patent and Trademark Office LAFORMATION DISCLOSURE CITATION Neil T. Parkin and Rainer A. Ziermann (Use several sheets if necessary) Filing Date Group Art Unit January 19, 2001 **U.S. PATENT DOCUMENTS** Document Number Date Class xaminer Name Subclass Filing Date Initial if Appropriate FOREIGN PATENT DOCUMENTS Date **Document Number** Country Class Subclass Translation Yes OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) Roberts NA, et al. (1990) "Rational Design of Peptide-Based HIV 8/2 Proteinase" Science 248:358-361 (Exhibit 23); Roberts, N. A., (1995) "Drug-resistance patterns of saquinavir and other HIV proteinase inh/ibitors", AIDS.9 (supp 2) (Exhibit 24); Brian M. Sadler, et al., (1999) "Safety and Pharmacokinetics of Amprenavir (141W94), a Human Immunodeficiency Virus (HIV) Type 1 Protease Inhibitor, Following Oral Administration of Single Doses to HIV-Infected Adults", Antimicrobial Agents and Chemotherapy, 43: 1686-1692 (Exhibit 25); Sarkar G. and Sommer SS., (1990) "The "Megaprimer" Method of Site-Directed Mutagenesis", BioTech 8(4):404-407 (Exhibit 26); (1996)al., **`**'A Smidt, et Mutation Immunodeficiency Virus Type 1 Protease at Position 88, Located Confers Resistance the Active Site, Hydroxyethylurea Inhibitor SC-55389A", Antimicrobial Agents and Chemotherapy, 41: 515-522 (Exhibit 27); M. H. St. Clair, et al., (1996) "In Vitro Antiviral Activity of 8/ 141W94 (VX-478) in Combination with Other Antiretroviral Agents", Antiviral Research 29: 53-56 (Exhibit 28); DATE CONSIDERED EXAMINER

\*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609: Draw line through citation if not in

conformance and not considered. Include copy of this form with next communication to applicant

Form PTO-1449 U.S. Department of Commerce Atty. Docket No. Serial No.														
	7		Ü		JPW/AJM/CMF	09/766,3	344							
INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)										Applicants Neil T. Parkin and Rainer A. Ziermann				
SEP 24	SEP 2 4 2001 55 Filing Date January 19, 2001											Group Art Unit		
Eliza D	.01 E	_					U.S. PAT	ENT DOCUMENTS						
Examiner Initial		Do	ocume	ent Nu	mber	<del>-</del>	Date	Name	Class	Subclass	Filing Da			
<b></b>	<del></del>	<b> </b>	$\sqcup$	<del>     </del>		ـــ				1				
<b></b>				$\vdash$	+	igwdapprox	<del> </del>		ļ		<b>-</b>			
		+	$\vdash \vdash \vdash$	-	+	$\vdash$			<del> </del>	<del> </del>	-			
<u>-</u>		لــــــــــــــــــــــــــــــــــــــ			Ш	<u> </u>	FOREIGN P.	L ATENT DOCUMENT			<u>.                                    </u>			
	<del>-</del> T	Doc		nt Ni	umber		Date	Country	Class	Subclass	Tra	Translation		
											Yes	No		
					$\prod$									
		Ш	<u> </u>	-	<del>  -</del>	_		- "	-	- `	<u> </u>			
	$\perp$	$\sqcup$	$\sqcup$	$\dashv$	_				<del>- </del>	<u> </u>				
									<u> </u>					
ļ								ng Author, Title, Date,						
								"Zidovudine/ Period of Zi						
S#								op on HIV Dri						
11/								(Exhibit 29)	_					
[ / [								: "Genotypic						
								3TC/amprenavi ct No. 32312)			herapy	", <u>Int</u> .		
								, (1998) "Es						
								rus Type 1 P: Populations						
								42: 478-480			*** 6 4,114	<u>OIO</u> RIGI		
								"Resistance			prote	ase and		
							-	nes of human			-			
								with combina <u>sease</u> , <b>178:</b>				tnerapy <b>2);</b> and		
<del>-                                    </del>								(in press Ma						
SHE								Causes In						
111	An	pre	ena	vir	<u>"/</u>			4: 4414-4419	(Exhib	oit 33).				
EXAMINER	Lun	-	<u>//</u> -	plo,			DATE CONSIDERE	1/4/2						
								on is in conformance with		: Draw line throu	gh citation	if not in		

A

, ,